

AMENDMENTS TO THE CLAIMS

Claims 1-40 (canceled)

Claim 41 (Canceled):

Claim 42 (Canceled)

Claim 43 (Currently Amended) ~~The apparatus of claim 42, including~~ An antenna for transmitting current through biological tissue comprising:

a pair of electrically conductive concave shells facing in opposed directions from each other, said concave shells having convex surfaces generally facing each other, and electrically insulative material disposed on said convex surfaces, said antenna electrodes shells being asymmetrical.

Claim 44 (Currently Amended) ~~The apparatus of claim 41, including~~ An antenna for transmitting current through biological tissue comprising:

a pair of electrically conductive concave shells facing in opposed directions from each other, said ~~antennas~~ antenna having a maximum thickness of less than about 4 mm.

Claim 45 (Currently Amended) The apparatus of claim 43, including
said antenna having an upper portion that is longer than ~~the~~ a lower portion measured along the ~~electrode~~ shells.

Claim 46 (Currently Amended) The apparatus of claim ~~41~~ 44, including
said concave shells having a generally circular configuration as viewed in end elevations.

Claim 47 (Currently Amended) The apparatus of claim 46, including
said antenna ~~electrodes~~ shells being generally symmetrical.

Claim 48 (Currently Amended) ~~The apparatus of claim 41, including~~ An antenna for transmitting current through biological tissue comprising:

a pair of electrically conductive concave shells facing in opposed directions from each other, said concave shells having a generally rectangular configuration as viewed in end elevation.